2-in 1-out RGBS Auto Switcher

DA1914SX

KEY FEATURES

- Auto-switching on sync detection
- Manual switching override via contact closure
- Fully buffered output
- Solid metal enclosure
- Optional mounting hardware
- External power adapter included (9V 500mA)

DESCRIPTION

The DA1914SX is a 2-in 1-out RGBS Auto Switcher with manual remote capability via contact closure. Utilizing 4 Female BNC connectors for each input and output, the DA1914SX can pass RGBS, RGsB, Component Video, S-Video and Composite Video signals. The DA1914SX has a fully buffered output.

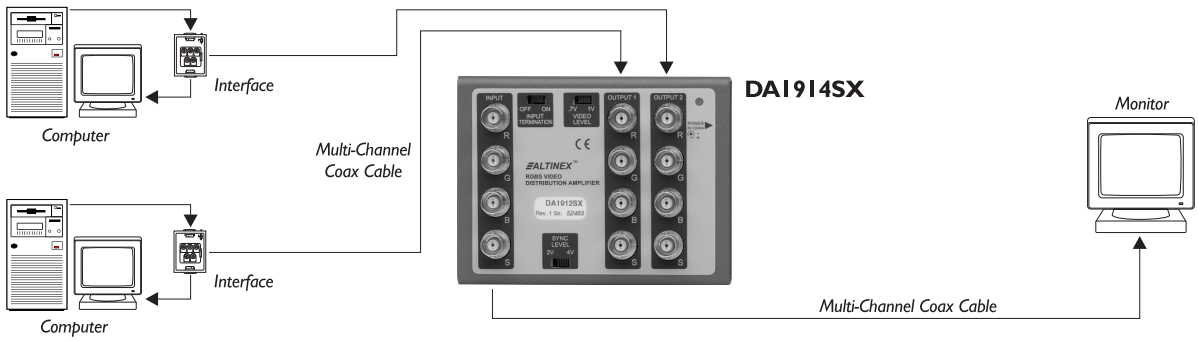
The DA1914SX offers a Sync Source switch, enabling it to auto-switch RGBS format signals when placed in the "Sync" position, and to auto-switch RGsB and Composite Video signals when placed in the "Green" position. Composite Video signals must be passed through the Green channel if auto-switching is necessary. When two active sources are present, the DA1914SX will select the default input, Input 2.

The DA1914SX can be controlled manually by connecting a latching contact closure control to its 2.5-mm mini-coaxial remote control jack.

The DA1914SX comes with small switch with a 6 foot cable (part # RC5203CC) that performs this function, or the contact closure may be made from a control system. The contact closure acts as a "push", switching back and forth between two active sources or switching between "on" and "off" if a single active source is on Input 1. If a single active source is on Input 2 (the default), the manual control will not push to Input 1.

The DA1914SX may be mounted to furniture or other suitable surfaces using optional hardware.

APPLICATION DIAGRAM



Specifications subject to change without notice.

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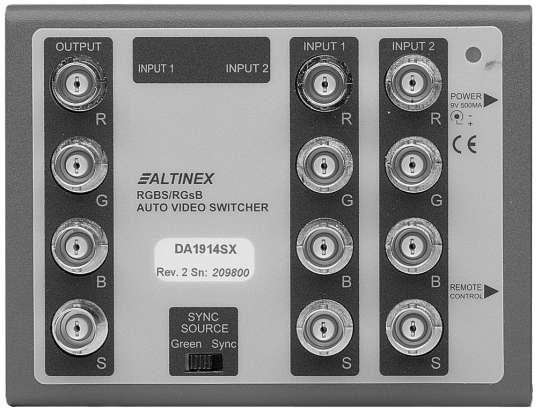
SIGNAL MANAGEMENT SOLUTIONS

DA1914SX

2-in 1-out RGBS Auto Switcher



Top Panel

Side View

SPECIFICATIONS

GENERAL

Inputs: .....(2) 4-BNC Female
Output: .....4-BNC Female
Compatibility: .....RGBS, RGsB, Component Video (Y, R-Y, B-Y), S-Video (Y/C), and Composite Video. Video must be passed through Red, Green, and/or Blue channels; Sync channel is not designed to pass Video.

Note: To auto-switch RGsB or C-Video signals, the Sync Source switch must be set to "Green." C-Video must be passed through the Green channel.

MECHANICAL

Height	3.50 in	89 mm
Width	4.62 in	117 mm
Depth	1.00 in	25 mm
Weight	0.4 lb.	0.18 kg
Ship Weight	2.0 lb.	0.91 kg
Material	0.1" Al	
Finish	Gray	
Top panel	Lexan	
T° Operating	10°C-35°C	
T° Maximum	50°C	
Humidity	90% non-condensing	
MTBF (calc.)	40,000 hrs	

ELECTRICAL

Input Video Signal:
- Analog .....-1.5V to +1.5V (1.5V p-p max.)
- Impedance.....75 Ohm

Input Sync Signal:
- Composite Sync .....TTL (+/-)
- Sync on Green.....-0.3V
- Impedance.....10 kOhms

Output Video Signal:
- Analog.....-1.5V to +1.5V (1.5V p-p max.)
- Fall/Rise Time .....2.0 ns
- Impedance.....75 Ohm

Output Sync Signal:
- Composite Sync .....TTL (+/-)
- Sync on Green.....-0.3V
- Impedance.....22 Ohm

Frequency Compatibility:
- Horizontal.....15-200 kHz
- Vertical.....30-190 Hz
- Bandwidth .....350 MHz @ -3dB

Cross-talk .....-40dB @ 10 MHz *(between adjacent channels)*
Coupling .....DC
Power .....9V 500mA external adapter (incl.)
Power Consumption .....3 watts Max.

OPTIONAL ACCESSORIES

MB1001:
Mini mounting brackets (2 - "L" shaped brackets)

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